Northstar 8000i
Remote Keypad
Installation Manual

NORTHSTAR

www.northstarnav.com

1 Warning and safety information

IMPORTANT SAFETY INFORMATION Please read carefully before use	
DANGER	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety measures that follow this symbol to avoid possible injury or death.
⚠WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

⚠CAUTION

Read and observe the Warnings and Notices in the Northstar 8000i System Installation Manual.

2 Disclaimer

As Northstar is continuously improving this product we retain the right to make changes to the product at any time which may not be reflected in this version of the manual. Please contact your nearest Northstar distributor if you require any further assistance.

It is the owner's sole responsibility to install and use the instrument and transducers in a manner that will not cause accidents, personal injury or property damage. The user of this product is solely responsible for observing safe boating practices.

BRUNSWICK NEW TECHNOLOGIES INC. AND ITS SUBSIDIARIES AND AFFILIATES DISCLAIM ALL LIABILITY FOR ANY USE OF THIS PRODUCT IN A WAY THAT MAY CAUSE ACCIDENTS, DAMAGE OR THAT MAY VIOLATE THE LAW.

Governing Language: This statement, any instruction manuals, user guides and other information relating to the product (Documentation) may be translated to, or has been translated from, another language (Translation). In the event of any conflict between any Translation of the Documentation, the English language version of the Documentation will be the official version of the Documentation.

This manual represents the product as at the time of printing. Brunswick New Technologies Inc. and its subsidiaries and affiliates reserve the right to make changes to specifications without notice.

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3 Warranty

The Northstar Warranty Statement is supplied as a separate document.

It is shipped with the Product Registration Card.

In case of any queries, refer to www.northstarnav.com.

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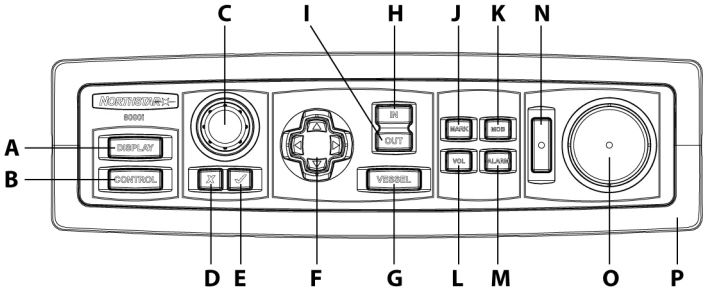
4 Northstar 8000i Remote Keypad

The Northstar 8000i remote keypad is a control interface for a Northstar 8000i system processor. Its primary use is control the Northstar 8000i software when displayed on the Northstar 8000i 15" Monitor. It can also be used as a second control for the Northstar 8000i 12" Display Processor

This manual describes how to install the unit, and must be used with the Northstar 8000i System Installation Manual.

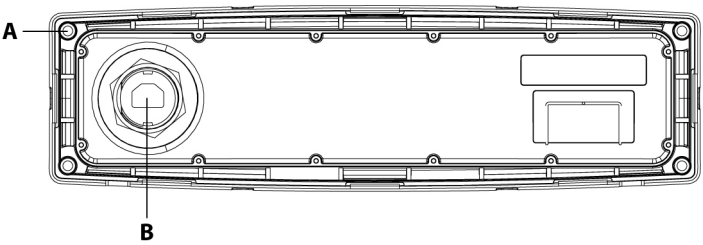
Remote Keypad - Front view



A	DISPLAY Button	Press once to show the single pane options; press again to show the page options
B	CONTROL Button	Press to change the active pane on a page; and, if you expand the pane to full size, press again to cycle through the other panes at full size.
C	Rotary Knob	Turn left (counter-clockwise) to scroll down, turn right (clockwise) to scroll up
D	Cancel Button	Press to cancel or exit
E	Confirm Button	Press to select or confirm
F	4 Directional Arrow	Press or hold down an arrow to move in that direction, or to move the selection highlight. These work only for some functions, such as Chart.
G	VESSEL Button	Press to center the *Chart* screen on your vessel
H	IN Button	Press once to zoom in one step
I	OUT Button	Press once to zoom out one step
J	MARK Button	Press to mark the current position with a default event mark icon
K	MOB Button	Man Overboard
L	VOL Button	Press to adjust the volume of the audio that you're playing.
M	ALARM Button	Press to show the alarm log

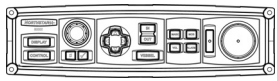
N	Select Button	Press to select the chosen item on the screen.
O	Cursor Control Pad	Press an edge to move the cursor in that direction on the screen.
P	Mounting Bezel	Remove to reveal mounting screws

Remote Keypad - Back view



A	Panel Mounting Holes	Use supplied M4 machine screws to secure into a panel
B	USB Connector	USB "B type" connector. Connect to a USB "A type" connector on either a Northstar 8000i Processor, a Northstar 8000i 15" Monitor or a Northstar 8000i 4 Port USB Hub.

5 What comes with your Remote Keypad



Remote Keypad NS004747

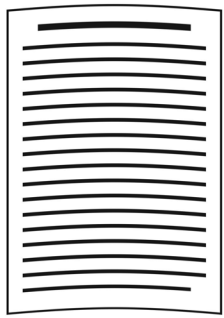
Mounting Bezel CS000689A-G

Mounting Gasket GA000143A-G

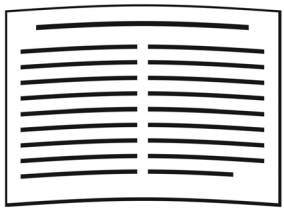
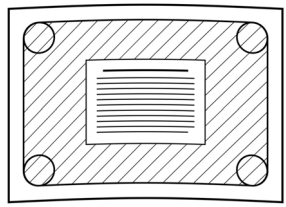
Mounting Screws x 4 HR00090

USB Cable NS004808

This Manual MN000609D-G



Warranty

	
Registration Card	Mounting Template LA000602A-G

The USB keypad connects to a USB port on either a Northstar 8000i System Processor, a Northstar 8000i 15" Display or on the Northstar 8000i USB Hub.

The unit is powered through the USB cable and turns on automatically when you turn the Northstar 8000i System on. It does not have a separate power switch.

6 Installation

⚠WARNING

Read and observe the Warnings and Notices in the 8000i System Processor Installation Manual.

⚠CAUTION

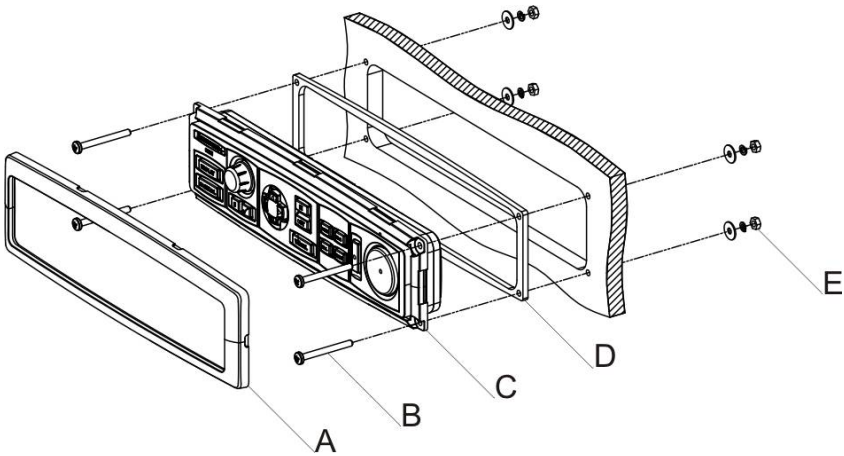
Follow the Installation Guide in the 8000i System Processor Installation Manual.

⚠CAUTION

Find a suitable location for the unit following the Location Guidelines in the Northstar 8000i System Installation Manual.

Mount the Remote keypad into a panel

1. Mount the display on a panel, usually below or above a system display.
2. Find a suitable location for the unit following the Location Guide in the 8000i System Processor Installation Manual. The unit and all connectors are waterproof.
3. Use the mounting template and cut a mounting hole and drill the screw holes in the panel.
4. Hold the gasket in place on the back of the unit; the gasket can fit any way round.
5. Place the unit into the panel and use the supplied screws to secure.



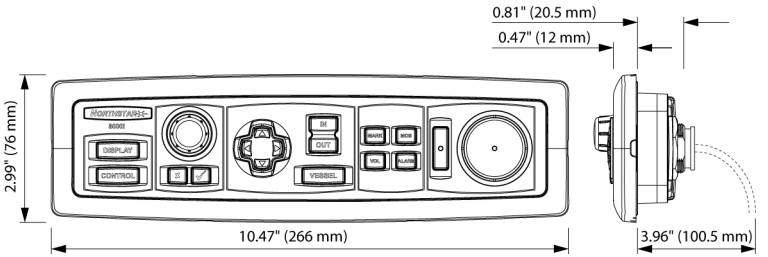
6. Clip the bezel to the front of the unit; it can fit either way round.
7. Connect the supplied USB Cable to the Remote Keypad USB 'B" type connector
8. Connect the USB cable to either
   - a Northstar 8000i System Processor
   - a Northstar 8000i 4 Port USB Hub which is connected to a Northstar 8000i Processor
   - a Northstar 8000i 15" Monitor which is connected to a Northstar 8000i Processor
9. Form the cable into a loop below the unit so that any condensation will drip off.
10. Turn Northstar 8000i System on and test.

7 Maintenance

⚠CAUTION

Follow the Maintenance Guidelines in the Northstar 8000i System Installation Manual.

8 Specifications



Power supply:	Powered by an 8000i system processor
Operating temperature:	5ºF to 131ºF (-15ºC to 55ºC).
USB interface:	USB 2.0 and 1.0 compliant. Type B.
Environment:	The case and cables are waterproof to IPX6.

9 Technical support, service and repairs

Northstar products are manufactured and serviced by BNT Marine Electronics.

The product is covered by a warranty which is supplied as a separate document.

If you need technical support, or answers to other questions after you've followed the instructions in this manual, you can:

- contact your Northstar distributor or
- see the inside back cover of the manual or
- visit www.northstarnav.com.

Before you make contact, be sure to have:

- the serial number of the hardware (usually shown on the faceplate of the unit).

When you describe the problem, be as complete and as accurate as possible.

www.northstarnav.com

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Made in New Zealand
MN000609D-G